

CERTIFICATE OF CONFORMITY

1. FIRE PROTECTION EQUIPMENT

2. Certificate No: FM23FPUS0037
3. Equipment:
(Type Reference and Name) FDU510 & FDU520 Flame Relay
4. Name of Listing Company: Honeywell International Inc.
5. Address of Listing Company: Honeywell Process Solutions,
2101 CityWest Blvd,
Houston, Texas 77042, USA
6. The examination and test results are recorded in confidential report number:

PR459644 dated 31 July 2023

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

FM 7610:2021

8. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
9. Approval Guide Listing Category:
Flame Sensing Systems for Industrial Heating Equipment

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

31 July 2023

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC, 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmaprovals.com www.fmaprovals.com

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10. Description of Equipment:

FDU510 & FDU520 Flame Relay

Option	FDU		Description
Series	510	520	510:Series 510 for intermittent operation 520:Series 520 for continuous operation
Mains Voltage	Q,W	Q,W	Q :Mains voltage: 120 V AC, 50/60 Hz W: Mains voltage: 230 V AC, 50/60 Hz
Flame control	1, 2, 3, T2, T5, T7	1, 2, 3, T2, T5, T7	1: Flame control with flame rod or UVC 2 :Flame control with UVS 3 :Flame control with series C7027, C7035, C7044 T2: Switch-off threshold: 2 μ A T5 :Switch-off threshold: 5 μ A T7 :Switch-off threshold: 7 μ A
Safety time during operation	1, 4	1, 4	1: Safety time during operation: 1 s 4: Safety time during operation: 4 s
Contacts	O1, O2	O1, O2	O1: Contacts: 1 NO contact, 1 NC contact O2: Contacts: 2 NO contacts
Flame signal intensity	-0, -1	-0, -1	-0: No output -1: Flame signal intensity: 0–5 V output
Connection plugs	K0, K1, K2	K0, K1, K2	K0: No connection plugs K1: Connection plugs with screw terminals K2: Connection plugs with spring force terminals

11. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

12. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

13. Certificate History

Details of the supplements to this certificate are described below:

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Member of the FM Global Group

Date	Description
31 July 2023	Original Issue.

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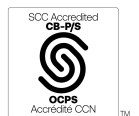
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Page 3 of 3